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		SUBCLASS

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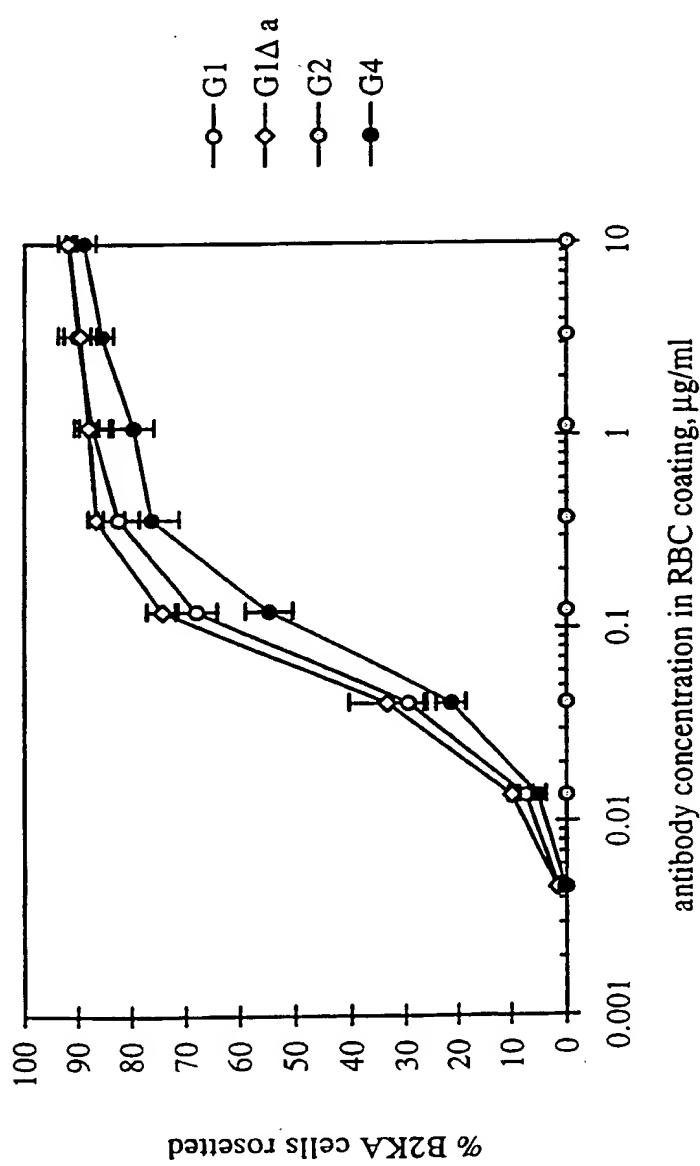
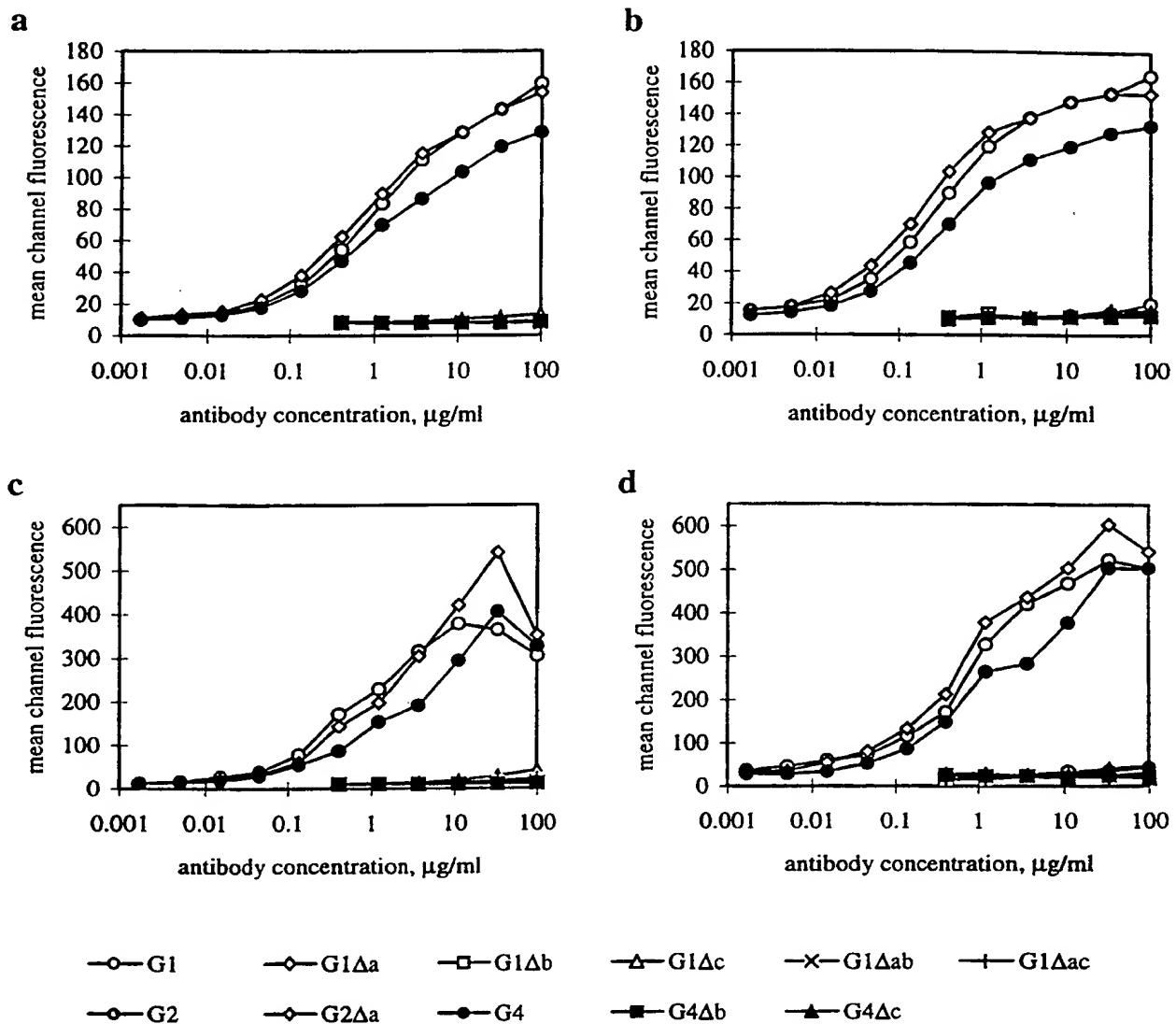


Figure 1

Figure 2



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Figure 3

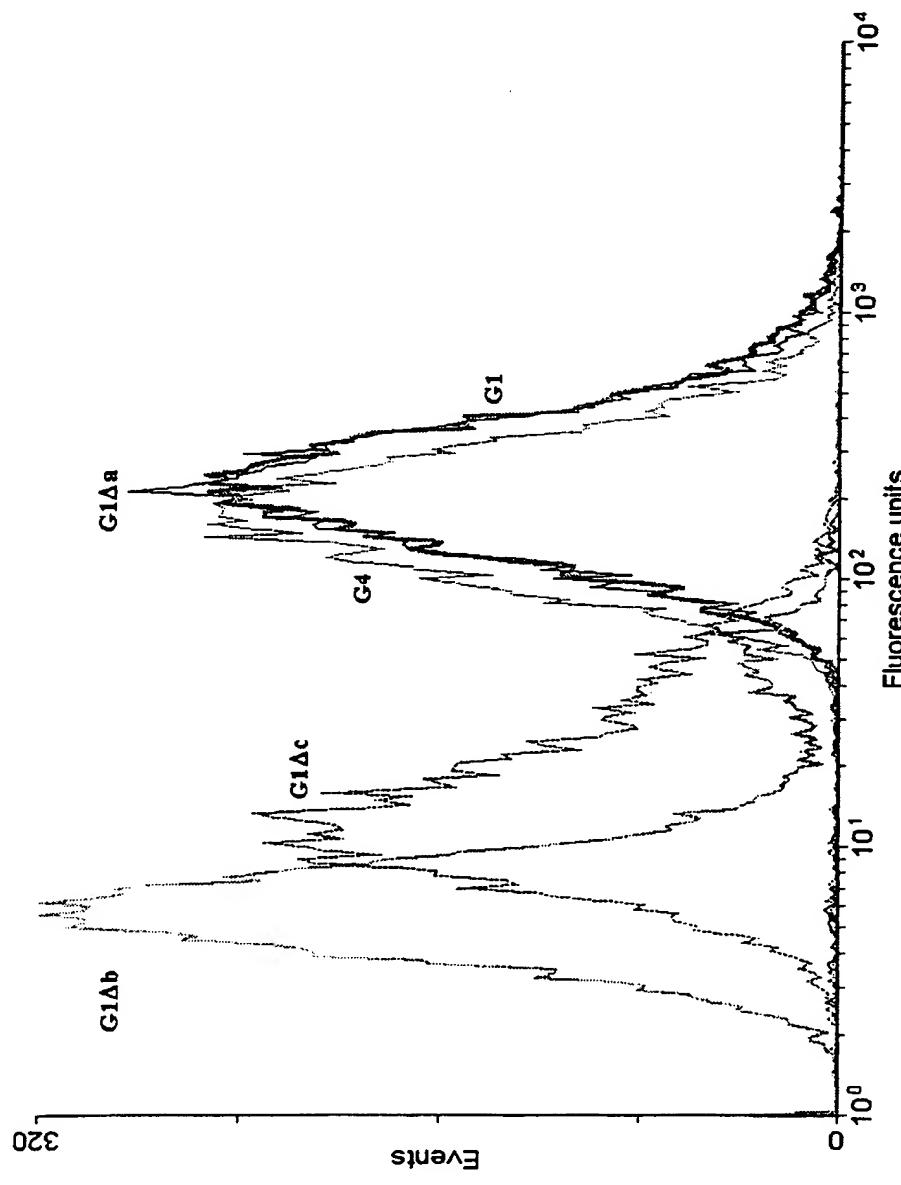


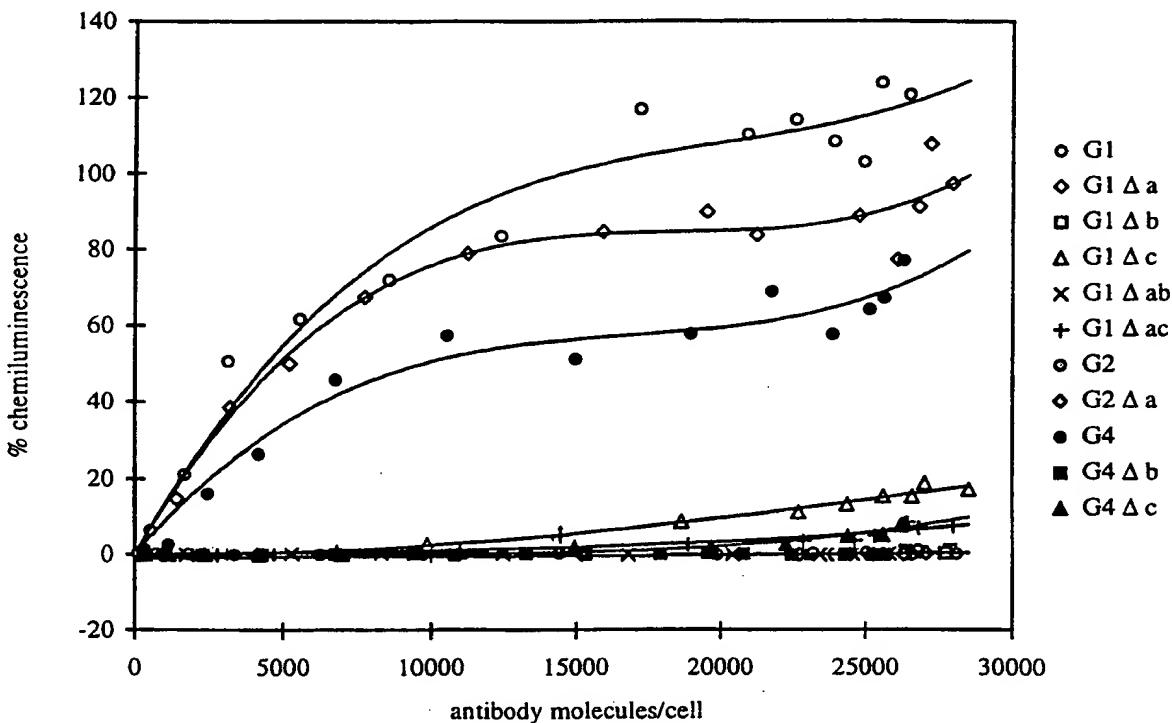
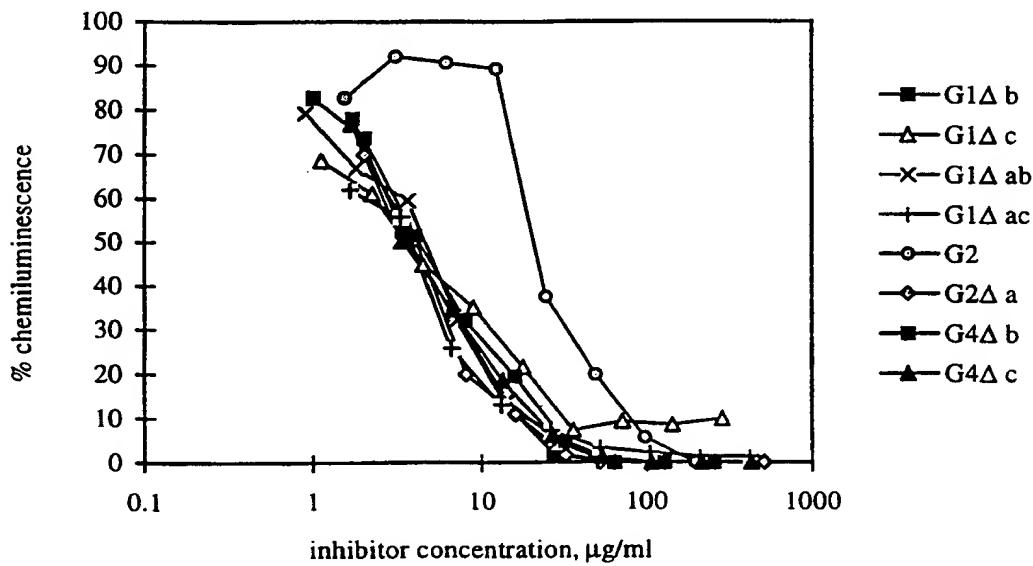
Figure 4**Figure 5**

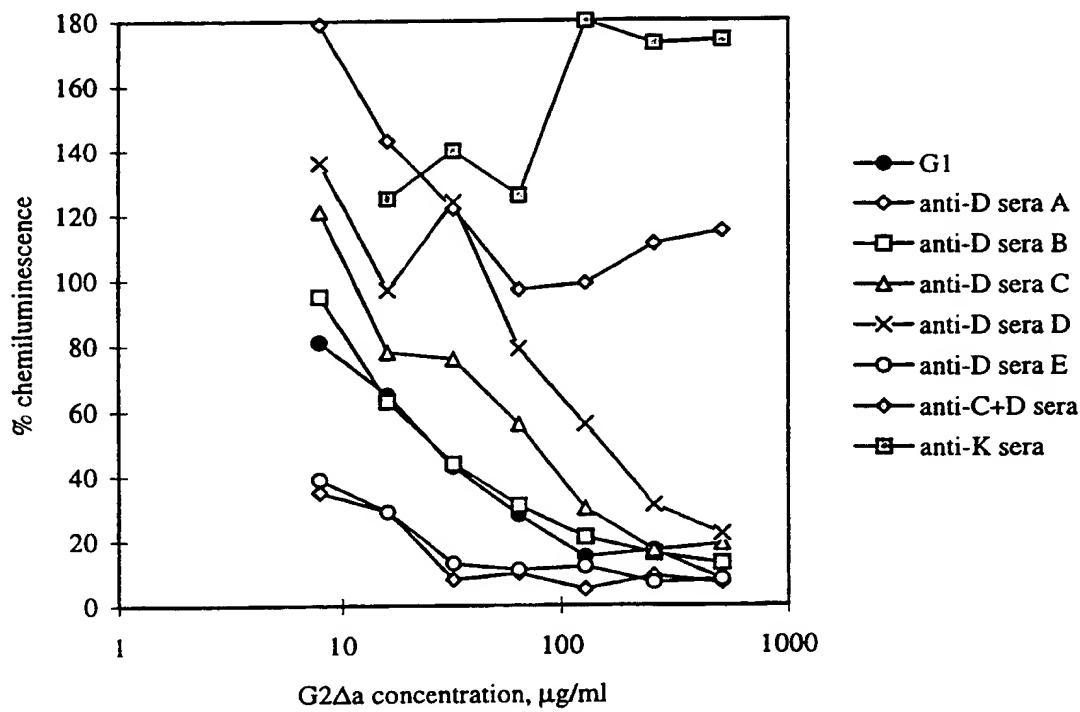
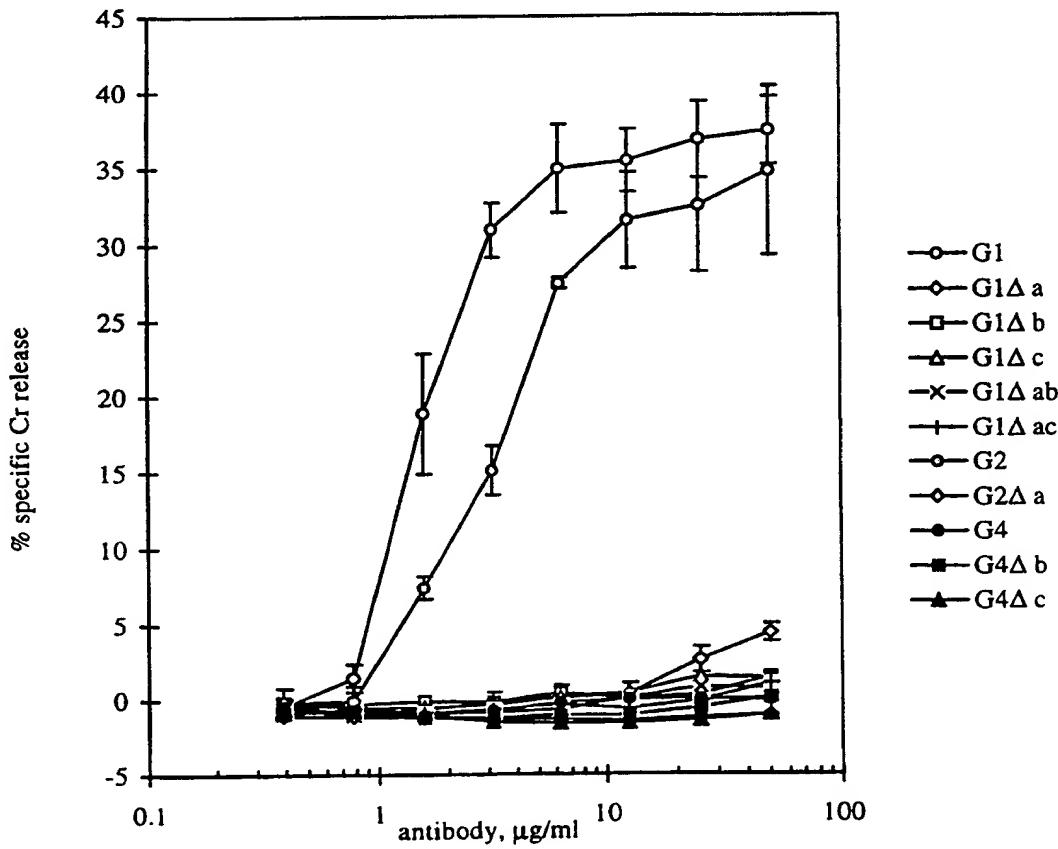
Figure 6**Figure 7**

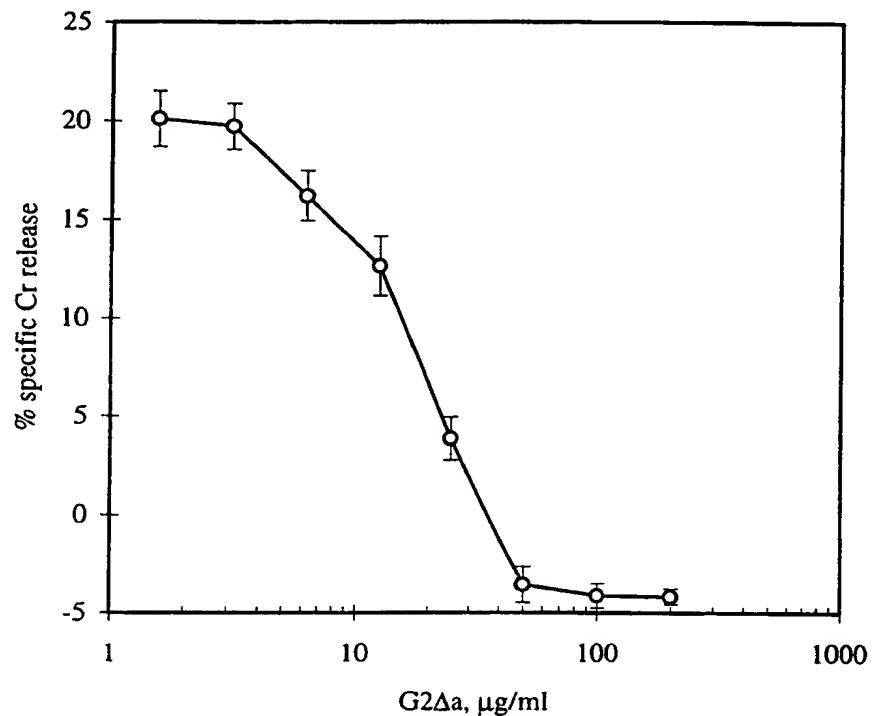
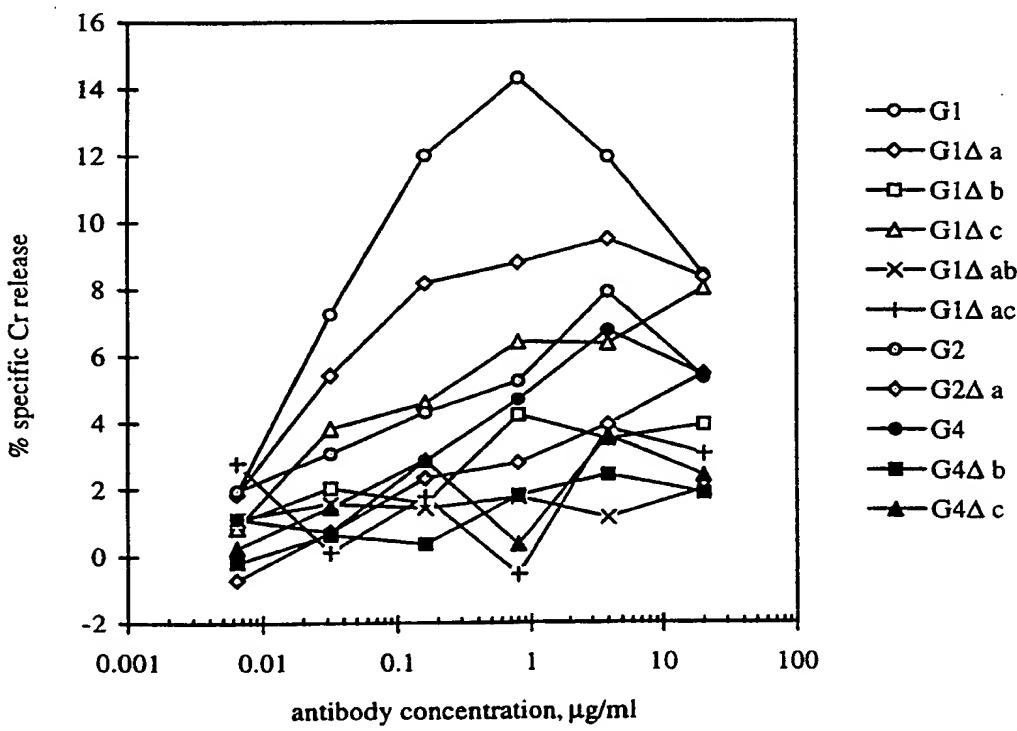
Figure 8**Figure 9**

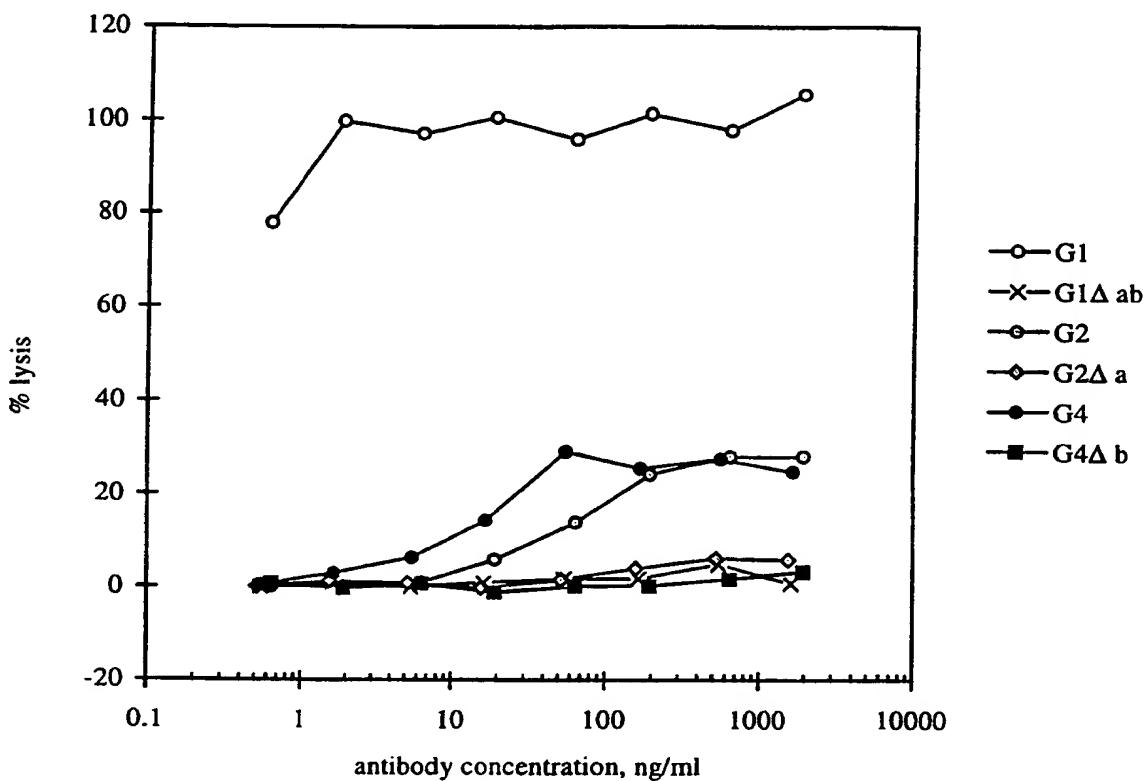
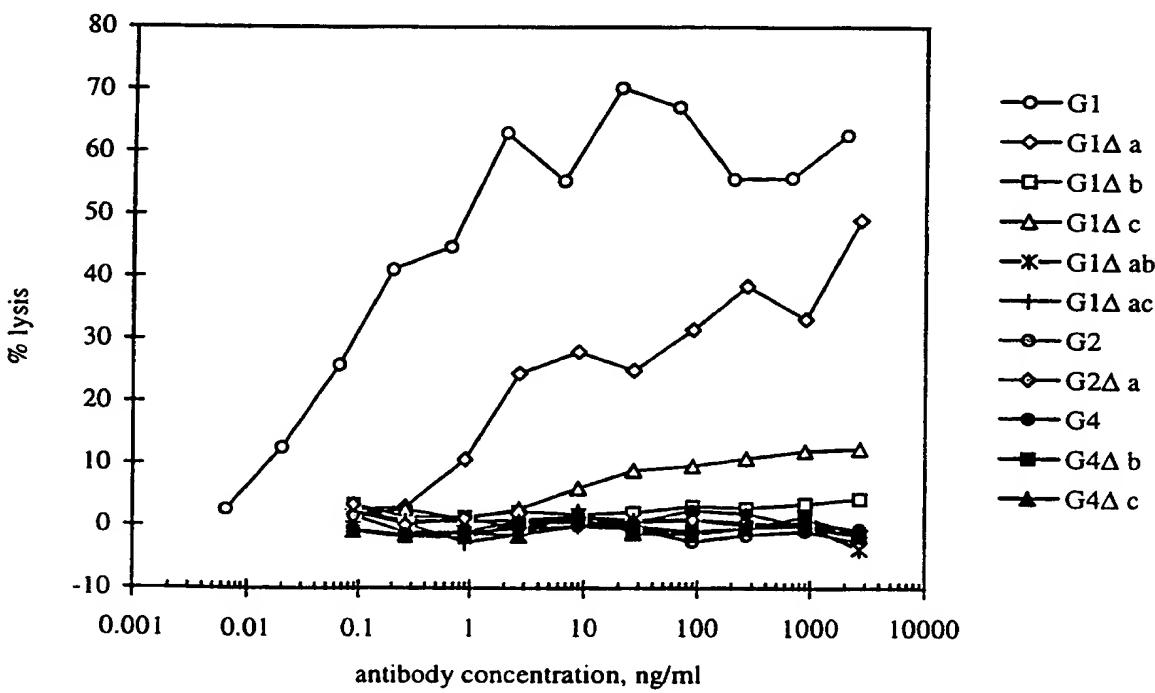
Figure 10a**Figure 10b**

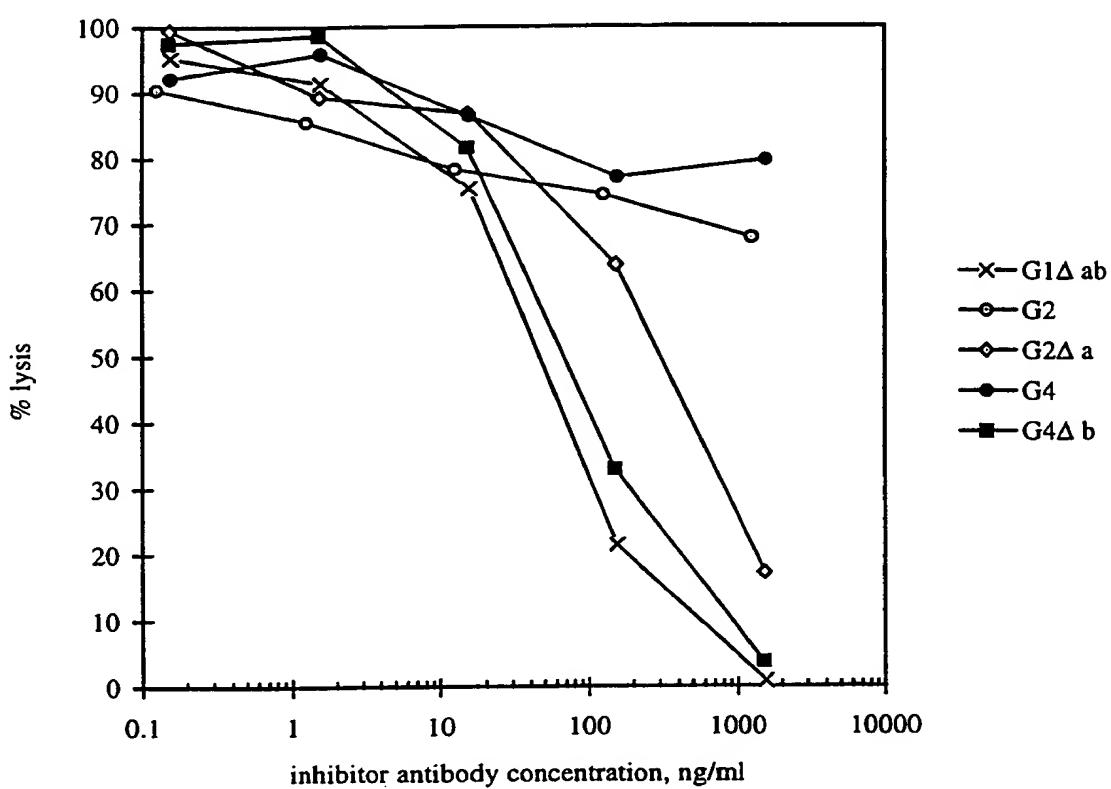
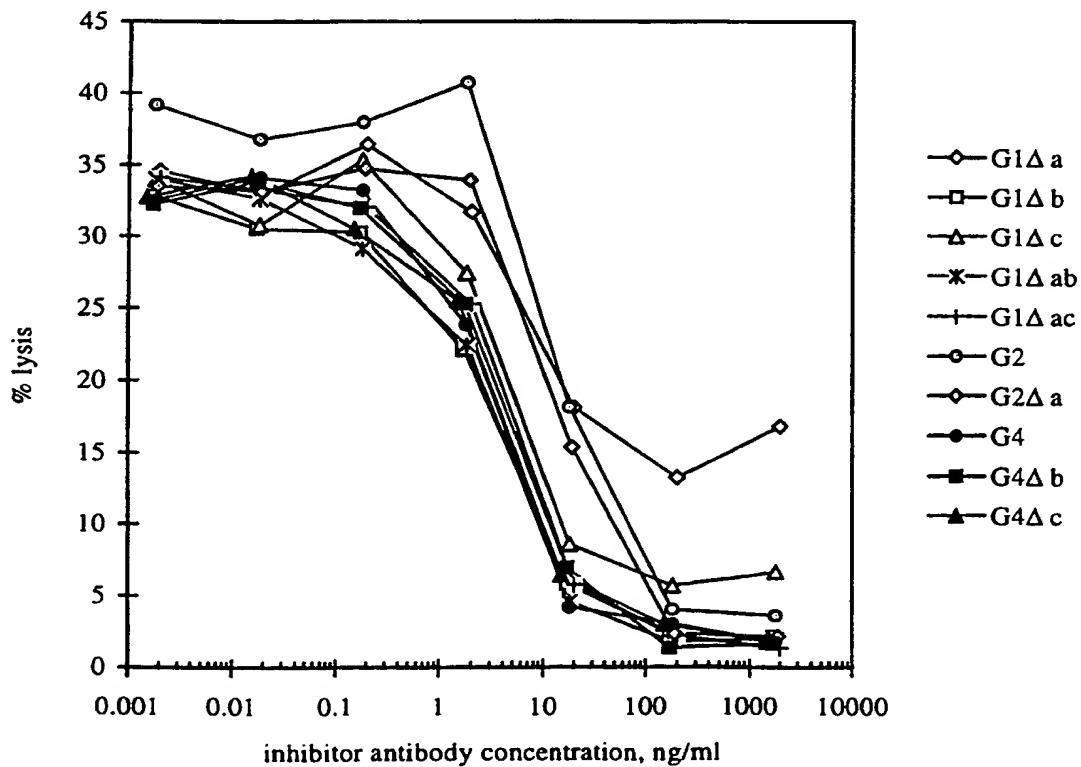
Figure 11a**Figure 11b**

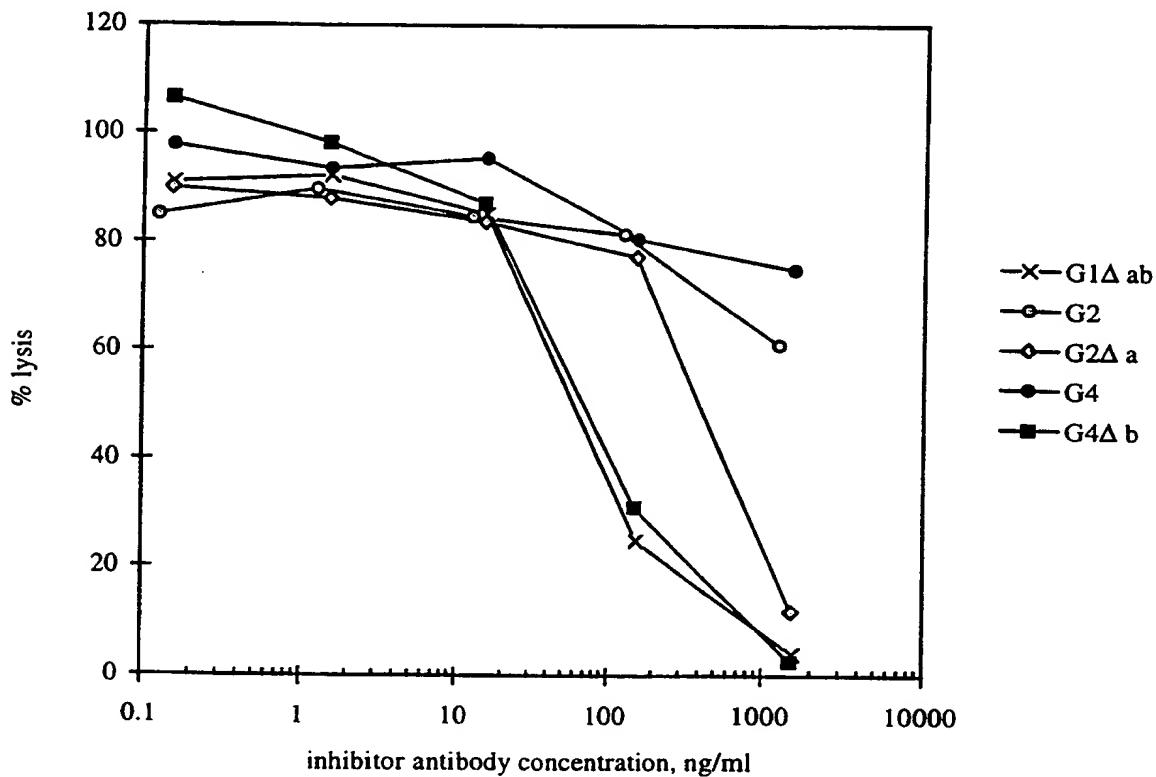
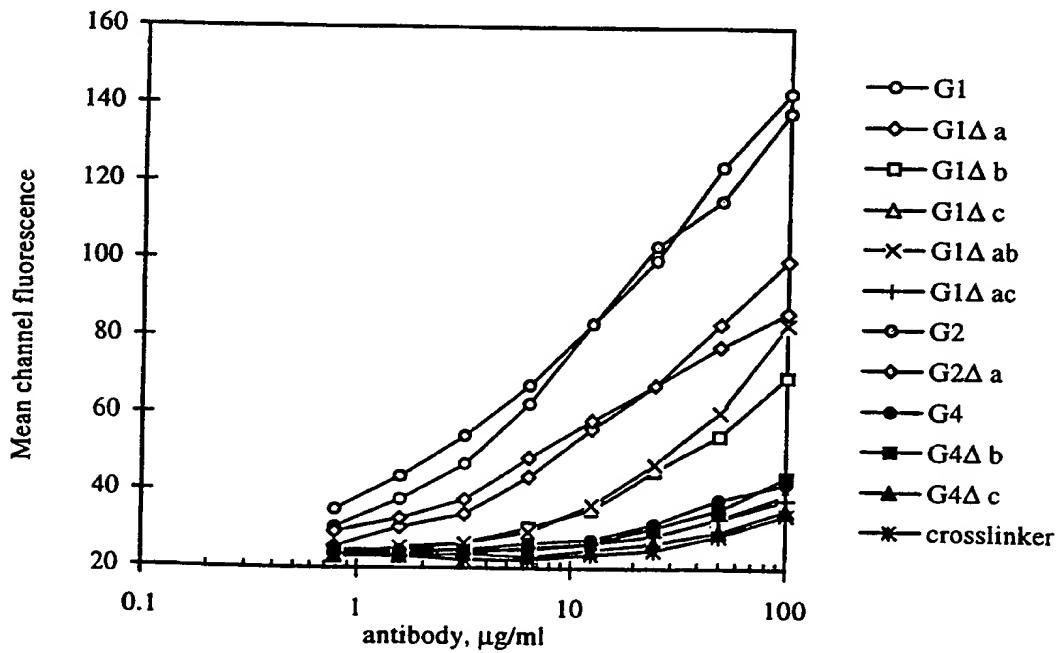
Figure 12**Figure 13q**

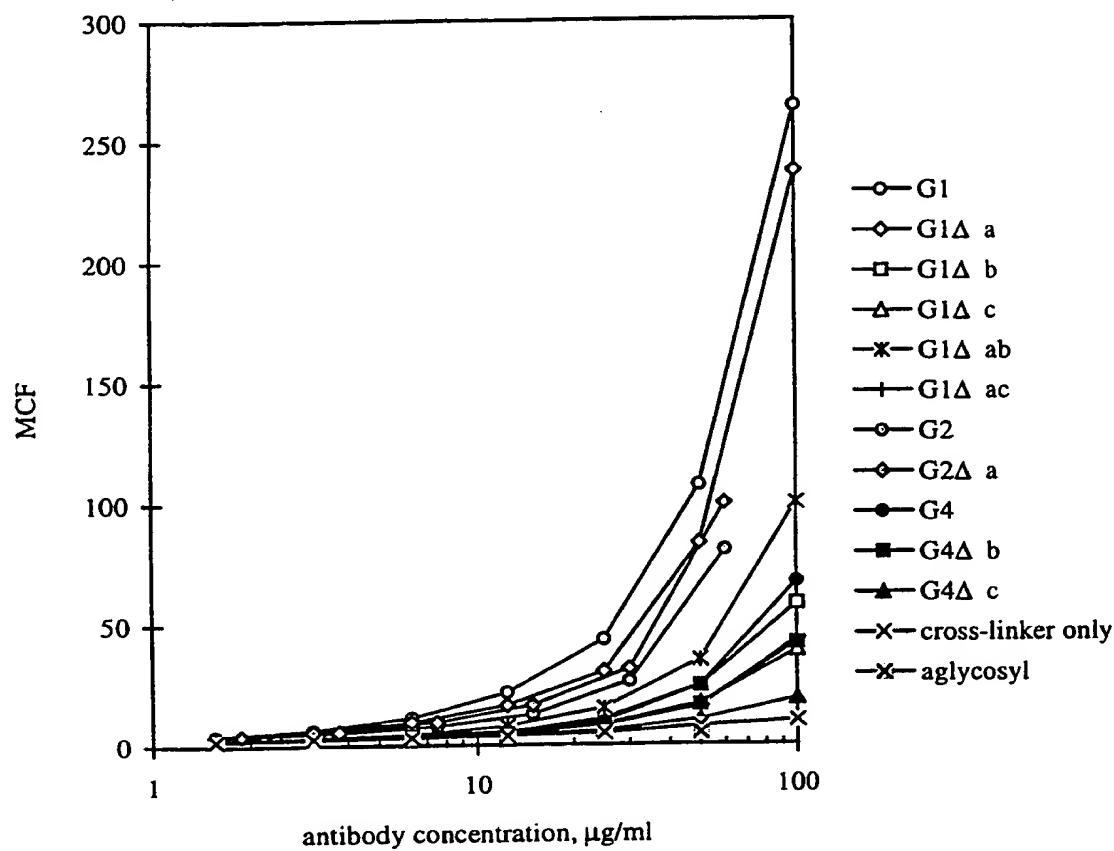
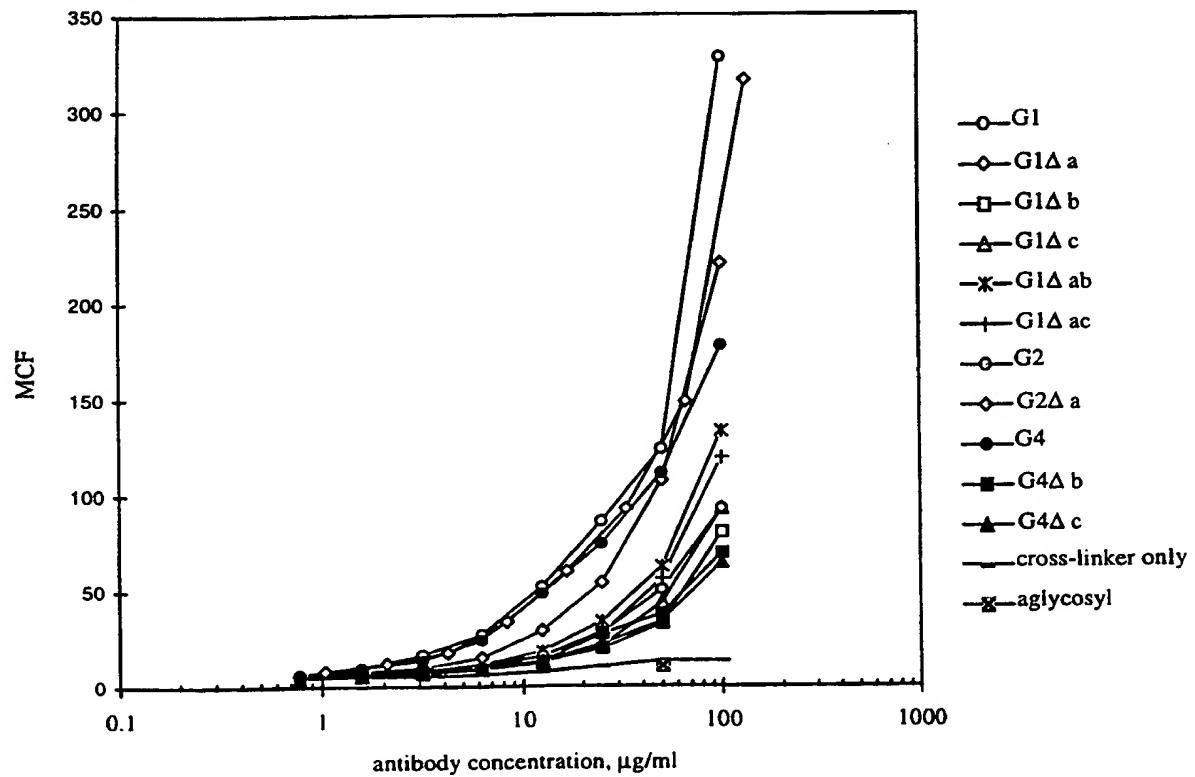
Figure 13b**Figure 14a**

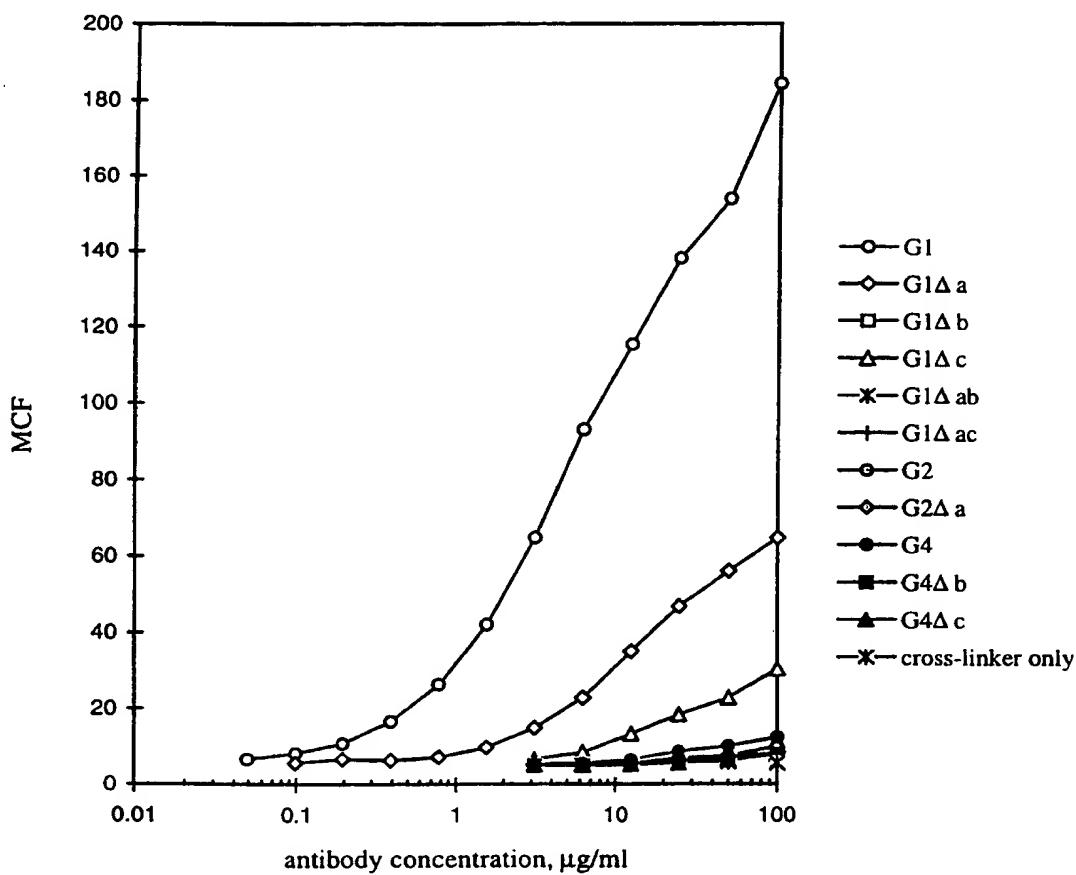
Figure 14b

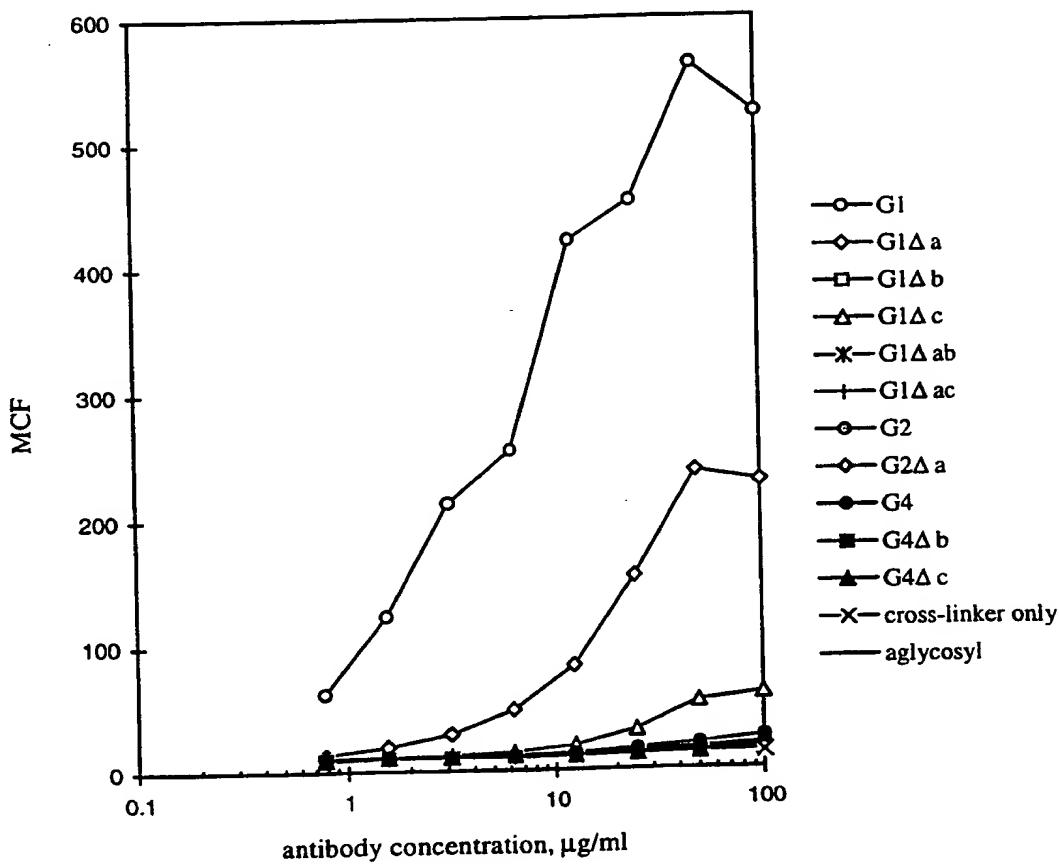
Figure 14c**Figure 15**

Table 1
A comparison of the mutations made to the wildtype G1, G2 and G4 antibodies

Antibody	233	234	235	236	327	330	331
G1	E	L	L	G	A	A	P
G1Δa	E	L	L	G	G	S	S
G1Δb	P	V	A	-	A	A	P
G1Δc	P	V	A	-	G	S	P
G1Δab	P	V	A	G	G	S	S
G1Δac	P	V	A	-	G	S	P
G2	P	V	A	-	G	S	S
G2Δa	P	V	A	G	G	S	S
G4	E	F	L	-	G	S	S
G4Δb	P	V	A	G	G	S	S
G4Δc	P	V	A	-	G	S	S

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Figure 16

Assay system	Series	G1	G1Δa	G1Δb	G1Δc	G1Δab	G1Δac	G2	G2Δa	G4	G4Δb	G4Δc
Fc γ RI: rosetting	F	+++	+++	-	-	-	-	-	-	++	-	-
Fc γ RI: fluorescent staining	C/F	+++	+++	-	-/+	-	-	-/+	-	++	-	-/+
Fc γ RIIa H/H: fluorescent staining	C/F	+++	++	+	-/+	+	-/+	+++	++	-/+	-/+	-
Fc γ RIIa R/R: fluorescent staining	F	+++	+++	-/+	+/-	+	+/-	++	++	+/-	+/-	-/+
Fc γ RIIb1*: fluorescent staining	F	++++	++++	+	++	++	++	+	+++	++	+	+
Fc γ RIIb NA1: rosetting	F	++	+	+/-	+/-	-/+	-/+	+/-	+/-	-	-	-
Fc γ RIIb NA1: fluor. staining	F	+++	++	-	+	-	-	-	-	+/-	-	-
Fc γ RIIb NA2: fluor. staining	F	+++	++	-	+	-	-	-	-	+/-	-	-
Fc γ VII: chemiluminescence	F	+++	++	-	+/-	-	-/+	-	-	+	-	-/+
Complement lysis	C	+++	+/-	-/+	-/+	-/+	-/+	++	-	-	-	-
ADCC	C	+++	++	+/-	+	-	-/+	+	+/-	+	-	-/+
ADCC	F	++++	+++	+	++	-	-	+/-	-/+	+/-	-	-

Inhibition of G1 activity in assay	Series	G1	G1Δa	G1Δb	G1Δc	G1Δab	G1Δac	G2	G2Δa	G4	G4Δb	G4Δc
Fc γ RI: rosetting	F								+		+	
Fc γ RIII: chemiluminescence	F			+++	++	+++	+++	+	+++		+++	+++
Complement lysis	C							+				
ADCC	F		-	++	+	++	++	-	+	-	++	++

Series	+++ +++ +++ +++	++ ++ ++ ++	or +/ -/ -	b ank
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- CAMPATH-1 (C) or Fog-1 (F) antibodies tested
- relative level of activity in assay
- low level of activity which is significantly above background
- low level of activity which is slightly above background
- no activity above background
- not tested

APPLICATION NO.	10.6. FIG.
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Full C_H2 Sequences Of the Parental and Mutated Antibodies

G1 APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G2 APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G3 APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G4 APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G1Δa APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G1Δb APPVAGGGSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G1Δc APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G1Δab APPVAGGGSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK G1Δac APPVVA_GPSVTLRPPKPKDGLIIRSPETCVVVVDSVHEPEVETARYDGVTVVNLKTPREEQNSTTRVVSVLTVVQDPLANGKEYCKVBNKGLPAPIKTISAK Ser₁ Δ2 α2Δa α1Δb α1Δc	
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Figure 17